

Converting Colors

$Yxy(46.7603, 0.4456, 0.4831)$

Have a look what the booklet for
Yxy(46.7603, 0.4456, 0.4831)
contains.

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Color

Yxy(46.7603, 0.4456, 0.4831)

Conversions

Conversions Part 1

Format	Color
Hex	D2B505
RGB	210, 181, 5
RGB Percent	82%, 71%, 2%
CMY	0.1765, 0.2902, 0.9796
CMYK	0.00, 0.14, 0.98, 0.18
HSL	52°, 95%, 42%
HSV	52°, 98%, 82%
XYZ	43.1306, 46.7603, 6.9013
YIQ	169.6070, 73.7800, -48.5880

Conversions

Conversions Part 2

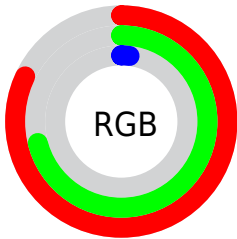
Format	Color
R _Y B	39, 210, 5
Decimal	13808901
CIE Lab	74.04, -3.86, 75.49
CIE LCh	74, 75.592, 92.928
Yxy	46.7603, 0.4456, 0.4831
Android (android.graphics.Color)	4291998981 (0xFFD2B505)
YUV	169.6070, -81.1513, 35.4247
Hunter-Lab	68.3815, -7.0815, 41.8833

Details

The Yxy color **46.7603, 0.4456, 0.4831** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **5.8422, 0.1543, 0.0734**, and the grayscale version is **40.3894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8601, 0.4168, 0.4689**, and **22.2798, 0.4471, 0.4832** is the 20% darker color. If you saturate the color by 10%, you get **46.4523, 0.4469, 0.4833**, and if you desaturate by 10%, it is **48.0488, 0.4395, 0.4810**.

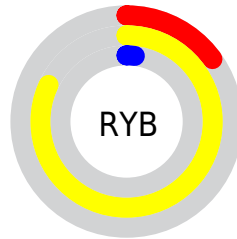
Distribution



Red (82%)

Green (71%)

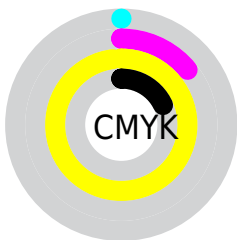
Blue (2%)



Red (15%)

Yellow (82%)

Blue (2%)

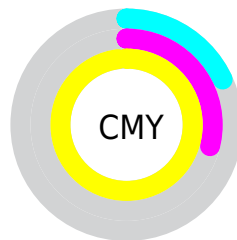


Cyan (0%)

Magenta (14%)

Yellow (98%)

Black (18%)



Cyan (18%)


Magenta (29%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7603, 0.4456, 0.4831 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 46.7603, 0.4456, 0.4831 by changing the saturation by 10% instead.

 46.7603, 0.4456,
0.4831

 46.7603, 0.4456,
0.4831


373.8569, 0.3888,
0.4152


 32.8462, 0.4549,
0.4950


 85.3557, 0.4284,
0.4619


 22.0087, 0.4638,
0.5072


 110.8058, 0.4208,
0.4528


 13.8633, 0.4755,
0.5234


 140.8701, 0.4140,
0.4447

 8.0256, 0.4738,
0.5262

 175.9328, 0.4079,
0.4375

 4.1113, 0.4704,
0.5296

 216.3785, 0.4023,
0.4310

 1.7360, 0.4646,
0.5354

 262.5915, 0.3974,

 0.4468, 0.4251,

0.4252

0.5749

314.9561, 0.3929,
0.4200

■ 0.0000, 0.0000,
0.0000

■ 46.7603, 0.4456,
0.4831

■ 46.7603, 0.4456,
0.4831

■ 46.4523, 0.4469,
0.4833

■ 48.0488, 0.4395,
0.4810

■ 49.4283, 0.4306,
0.4745

■ 50.9155, 0.4190,
0.4635

■ 52.5209, 0.4051,
0.4485

■ 54.2534, 0.3896,
0.4304

■ 56.1209, 0.3731,
0.4100

■ 58.1306, 0.3564,
0.3884

■ 60.2891, 0.3399,
0.3664

■ 62.6024, 0.3240,
0.3448

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.7603, 0.5059, 0.4125



46.7603, 0.4456, 0.4831



46.7603, 0.3567, 0.5251

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.7603, 0.4456, 0.4831



46.7603, 0.1480, 0.2660



46.7603, 0.3397, 0.2212

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46.7603, 0.4456, 0.4831



5.8422, 0.1543, 0.0734

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.7603, 0.2412, 0.1876



46.7603, 0.4456, 0.4831



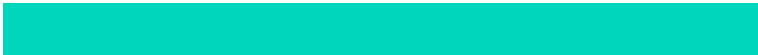
46.7603, 0.1460, 0.2029

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.7603, 0.4456, 0.4831



46.7603, 0.1861, 0.3747



46.7603, 0.1763, 0.1800



46.7603, 0.4463, 0.2755

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.7603, 0.4456, 0.4831



46.7603, 0.2927, 0.5111



46.7603, 0.1763, 0.1800



46.7603, 0.3040, 0.2074

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46.7626, 0.4456, 0.4831



89.6190, 0.3594, 0.3923



13.9415, 0.6150, 0.3181



18.8921, 0.3666, 0.4017



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.7626, 0.4456, 0.4831



71.8689, 0.4473, 0.4831



51.5354, 0.3596, 0.5514



13.5003, 0.3269, 0.3488



28.4474, 0.4465, 0.4837



1.6708, 0.4407, 0.4882

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



5.8422, 0.1543, 0.0734



8.4880, 0.1526, 0.0693



6.3390, 0.1787, 0.0768



11.6838, 0.2982, 0.3084



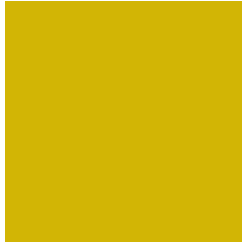
3.4846, 0.1534, 0.0720



0.2841, 0.1610, 0.0996

Previews

White Background



This preview shows how the Yxy color 46.7603, 0.4456, 0.4831 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 46.7603, 0.4456, 0.4831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7603, 0.4456, 0.4831

Background



This preview shows how black text looks on a background with the Yxy color 46.7603, 0.4456, 0.4831.



This preview shows how white text looks on a background with the Yxy color 46.7603, 0.4456, 0.4831.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

46.7603, 0.4456, 0.4831

Protanopia

47.0041, 0.4398, 0.4873

Deuteranopia

46.7643, 0.4692, 0.4598



Tritanopia

46.5571, 0.3495, 0.3138

Trichromacy



Original Color

46.7603, 0.4456, 0.4831

Protanomaly

46.7344, 0.4418, 0.4859

Deuteranomaly

46.7731, 0.4610, 0.4683

Tritanomaly

45.7704, 0.4025, 0.3964

Monochromacy



Original Color

46.7603, 0.4456, 0.4831

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.7122, 0.3778, 0.4152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7603, 0.4456, 0.4831 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(210, 181, 5)` looks like.

```
.text, #text, p{  
    color:rgb(210, 181, 5)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(210, 181, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 181, 5) }
```

Border

The CSS property to change the border of an element to Yxy 46.7603, 0.4456, 0.4831 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(210, 181, 5) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(210, 181, 5) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(210, 181, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 181, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 181, 5);  
box-shadow:4px 4px 4px 4px rgb(210, 181,  
5) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7603, 0.4456, 0.4831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 181, 5) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(210,  
181, 5) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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